

Abstract of the Disclosure

47. Self cleaning air filtration machine and a method for using same comprising; a filter with a motor driven belt or disk or counter rotating disks that are perforated, a spray bar, a recirculation pump and supply line, a wet tank, a ultrasonic transducer, ultraviolet submersible bulbs, a water fill port, a liquid level sensor, a liquid and sediment drain port, and a power source. A preferred embodiment includes a subsonic transducer on the wet tank. A preferred embodiment includes a air diffuser, a toxic and noxious gas detection and recognition and radiation detection with automatic safety shut down and audible and visual alarm, a ultraviolet saturation chamber. A preferred embodiment includes a secondary wet filter, a secondary air diffuser, a secondary ultraviolet saturation chamber. A preferred embodiment includes a inline dryer assembly.